FINANCE SECRETARIAT

CORRIGENDUM.

No. FD 213 PLA 66. BANGALORE, DATED 29TH APRIL 1969.

The existing Para 3 of Clause I of Government Order of even number dated 18th April 1969 shall be substituted as follows:—

"3. Advances shall not be granted for purchase of houses whose age is more than 15 years".

By Order and in the name of the Governor of Mysore,

MAZHARUL HAKH,
Under Secretary to Government,
Finance Department.

27

PUBLIC WORKS AND ELECTRICITY SECRETARIAT

Reviews the Administration Report of the Public Works and Electricity Department for the year 1964-65.

READ—

Administration Reports for the year 1964-65 received from the Chief Engineer, (Communication and Buildings), Chief Engineer, (Irrigation Projects), Chief Engineer, Hydro Electric Projects (Investigations, Sharavathy Valley Project, the State Ports Officer and the Principal, Government Flying Training School, Bangalore.

ORDER No. PWD 27 SMS 66, DATED BANGALORE, THE 25TH JANUARY 1969.

Recorded with the following review.

Sri B. R. Manickam, continued as Chief Engineer Communications and Buildings, as Government Architect, and also as *Ex-Officio* Director of Town Planning up to end of 3rd April 1964. He handed over charge of Chief Engineer (C&B) to Shri K. Basanna, Superintending Engineer, Bangalore on 4th April 1964 who continued in that charge during the remaining period of the year.

The Special Roads Division, Mangalore attached to Mangalore Circle was abolished with effect from 1st May 1964.

No. 1 Special West Coast Sub-Division, Mangalore was closed with effect from 31st December 1964.

The Special Roads Sub-Division for Mani-Ullal Road works was closed with effect from 31st July 1964.

No. 3 Special West Coast Sub-Division attached to Special West Coast Division, Coondapur was closed on 31st March 1965.

The Special Roads Division, Mangalore was continued upto 31st March 1965 as per G. O. No. I WD 16 SCE 64, dated 15th April 1964.

The Ports Division, Karwar was placed under the administrative and technical control of Dharwar Circle *vide* G. O. No. PWD 97 SEP 64, dated 28th October 1964.

The stock verification groups attached to all Circles were abolished with effect from 31st March 1965 as per G. O. No. PWD 88 SCE 64, dated 24th February 1965.

No. 7 Dandsh Dairy Farm Sub-Division at Hessaraghatta was sanctioned in G. O. No. SCO/64, dated 15th January 1965.

The final grant for the year 1964-65 under all Heads of account pertaining to Communications and Buildings (excluding establishment and Suspense and National Highways) amounted to Rs. 682.134 lakhs against which an outlay was Rs. 600 376 lakhs.

The revenue realised during the year 1964-65 is Rs. 1,06,94,607-93 Paise.

Training Classes in Accounts.—The Scheme is intended to train up clerks of Public Works Department for proper maintenance of accounts. The training has been conducted in batches of 30-40 officials drawn from various Divisions and Sub-Divisions of this Department. The duration of the training has been confined only to three months.

During the year under report, 4 batches comprising of 168 Trainees received training from a whole-time tutor, *i.e.*, an experienced Accounts Superintendent.

One hundred and thrity-four officials have passed in the final test held during the period.

This scheme is being continued from 11th November 1957 and many officials have been benefited from this training.

Controller of Central Stores, P.W.D., Bangalore.—An Officer of a rank of an Executive Engineer has been posted as Controller of Central Stores, P.W.D., Bangalore.

The Controller is working under the direct control of the Chief Engineer, Communication and Buildings.

The activities of the Central Stores P.W.D. comprised of procurement and distribution of Steel, Machinery and Tools and Plant articles required for the various Public Works Divisions of the State and also execution of Bore-Well works for Government under Rural Water Supply Schemes and for local Bodies, other Private Institutions or individuals.

The steel was procured from the main producers and to a certain extent from Controlled stockists. The total quantity of steel procured and supplied to various P.W.D. Divisions is about 118 metric tons.

Executive Engineer, P.W.D. Electrical Division, Bangalore—This Division is under the direct administrative control of the Chief Engineer (C and B), Bangalore.

An Officer of a rank of an Executive Engineer (Electrical) has been working as an Executive Engineer.

The Electrical Division executes electrical works of P.W.D. Buildings throughout the Mysore State and electrical works relating to other departments such as Animal Husbandry, Agriculture, Community Development Schemes, Forest, Labour, Medical and Public Health, Police, etc.

(2) Irrigation and Public Health.

Sri K. M. Joshi continued to be Chief Engineer (General) upto 22nd June 1964 and Shri M. B. Krishna Iyengar was appointed as Chief Engineer (General) upto 28th June 1964. Sri S. G. Balekundry, B.E., B. Sc. (Hons.) Edin., took charge as Chief Engineer (General) on 29th June 1964.

Water Supply and Sanitary Circle, Bangalore.—The Water Supply and Sanitary Circle, Bangalore was formed from 2nd August 1963 for the execution of Sanitary works in Bangalore costing about Rs. 23 Crores. The above project comprise the following items :—

(1)	*Cauvery Water Supply Scheme.*—This scheme contemplates bringing treated water from Cauvery to the outskirts of Bangalore City.	13 Crores.
(2)	Improvements to the distribution system to enable equitable distribution of 90 M.G.D. of water which would be available when the Cauvery Water Supply Scheme is completed.	4 Crores.
(3)	Reorganisation of and improvements to the sewerage system to effectively dispose off the 90 M.G.D. of water and construction of Treatment and diposal works.	6 Crores.

Above works were in operation till November 1964 and then transferred to the control of Water Supply and Sewerage Board, Bangalore for execution and maintenance.

Mysore Circle, Mysore

The Special Flood Sub-Division at Hunsur formed to execute the Major Flood Damage works at Hunsur taluk was abolished on 30th September 1964 A.N and the balance works of this Sub-Division, were transferred to No. 2 Sub-Division, Hunsur.

Minor Irrigation.—For the development of Agriculture, following Minor Irrigation works were being executed by the Department :—

(1) Construction of new tanks, anicuts, pickups, bandharas, etc.
(2) Restoration of tanks and reclamation,.
(3) Improvements to existing tanks, anicuts, etc.
(4) Flood Control Works.
(5) Maintenance and repairs of Irrigation works.

Grant and Outlay.—The final grant in respect of Minor Irrigation and Public Health Engineering works under the control of the Chief Engineer (General), for 1964-65 stood at Rs. 796.64 lakhs against which expenditure booked was Rs. 758.63 lakhs.

Under Plan Schemes, the total expenditure incurred is Rs. 498.43 lakhs against the Plan Provision of Rs. 522.91 lakhs.

M. I. I. Units, Mysore.—The Special Division constituted for the Investigation of Minor Irrigation Projects at Mysore with its three Sub-Divisions was continued during 1964-65. A total number of projects amounting to Rs. 72.29 lakhs was submitted by the Executive Engineer, M. I. I. Division during 1964-65. The M. P. I. Sub-Division, Mandya was also entrusted with the execution of Bhima Reservoir works costing Rs. 7·269 lakhs coming under the Control of the V. C. Division.

M. I. I. Division, Belgaum.—This Division with 4 Sub-Divisions has prepared 36 number of Projects costing Rs. 91,64,063 and 87 schemes costing about Rs. 3,01,26,967.

M. I. I. Division, Shimoga.—This Division with 4 Sub-Division at Shimoga has prepared 18 projects costing Rs. 7,17,000 to benefit an atchkat of 19,809 acres to be brought under cultivation. Eighty-seven projects were investigated.

M. I I. Division Mangalore.—A separate M. I. I. Division, Mangalore was formed for the Investigation and preparation of plans and estimates for Minor Irrigation Works. The Division is attending to the Investigation and preparation of plans and estimates for new Minor Irrigation Works.

Urban Water Supply and Drainage Schemes (Scheme No. 815).—The Outlay incurred during 1963–65 on work portion in respect of Urban Water Supply and Drainage Schemes amounts to Rs. 71.33 lakhs.

During this year 6 towns are provided with protected water supply *viz.*,

1. Sulralkoppa.
2. Haveri.
3. Virajpet.
4. Mahalingapur.
5. Turuvekere.
6. Somwarpet.

(3) Irrigation Projects.

Sri I. M. Magdum, continued as Chief Engineer, PWD Irrigation Projects, from 1st April 1964 to 26th April 1964.

Sri S. G. Balekundry, Chief Engineer (General), Bangalore took over additional charge of Irrigation Projects zone from 27th April 1964 to 13th June 1964, consequent on the deputation abroad of Sri I. M. Magdum. On return Sri I. M. Magdum, took charge on 14th June 1964.

Sanction was accorded for the creation of the following two Divisions (a) Workshops and Mechanical Division, Narayanapur (Camp: Munirabad) with 3 Sub-Divisions thereunder (b) workshop and Mechanical Division, Hidkal with 4 Sub-Divisions thereunder (c) two independent Sub-Divisions one at K. R Sagar and the other at Kabini under the direct control of the Superintending Engineer, Central Mechanical Organisation, in lieu of No. 3, Workshop and Mechanical Divison, B. R. Project, wound up on 15th July 1964.

Sanction was accorded for the creation of the following :—

(1) One Division with 4 Sub-Divisions under Tungabhadra Project Circle for the execution of distributaries under Tungabhadra Project High Level Canal coming in Mysore State ;

(2) One Division with 4 Sub-Divisions in connection with Upper Krishna Project Contour Surveys ;

(3) Division with two Sub-Divisions under Mysore Engineering Research Station, to carry out field surveys of lands affected by Irrigation due to water logging, silt and sedimentation, etc. and attending to the problems arising from irrigation.

Five Year Plan Schemes.—The following 3 Major and 8 Medium Projects included in the First Five-Year Plan were continued during the year.

Major Projects.—(1) Tungabhadra Project (Left and Right Bank Canal)

(2) Ghataprabha Project—I Stage.

(3) Bhadra Reservoir Project.

Medium Projects.—(1) Rajolibunda Diversion Scheme.

(2) Ramanahalli Tank.
(3) Areshankar Tank.
(4) Kalaskope Tank.
(5) Tunga Anicut Project.
(6) Kolchi Weir Project.
(7) Nugu Reservoir Project.
(8) Ambligola Project.

In addition to the above schemes, the following 3 Major and 11 Medium Schemes of II Plan were also continued.

Major Projects.—(1) Ghataprabha Project—II Stage.

(2) Tungabhadra Project High Level Canal—I Stage.
(3) Kabini Reservoir Project.

Medium Projects.—(1) Hagaribommanahalli Project.

(2) Jambadahalla Project.
(3) Hathikoni Project.
(4) Dharma Reservoir Project.
(5) Hebbahalla Project.
(6) Lakshmanathirtha Project.
(7) Mangala Project.
(8) Kanakanala Project.
(9) Nagathana Project.
(10) Chickhole Project.
(11) Arkavathi Project.

In addition to the above schemes the following schemes included and started in the III Five-Year Plan were also continued Major Projects.—

Major Projects.—(1) Harangi Reservoir Project.

(2) Upper Krishna Project—phase I.
(3) Malaprabha Project.
(4) Hemavathi Project.

Medium Projects.—(1) Kambadakada Project.

(2) Harinala Project.
(3) Bijjur Project.

Category 'B' Schemes.—(4) Chandrampalli Project.

(5) Remodelling and Improving Premoghal channels.
(6) Suvarnvathi Project.

Out of a total ayacut of 25.13 lakhs acres to be developed under all the above schemes, the irrigation potential created upto end of March 1965 is 8.34 lakhs acres and area developed is 4.94 lakh acres.

Progress of various Major and Medium Irrigation Projects is given below.—

Tungabhadra Project.—(a) (i) *Left Bank Canal.*—The Thungabhadra Reservoir and Left Bank Main Canal from Mile 0 to 127 have been practically completed. The distributaries upto Mile 100 have almost been completed, and water let out.

(ii) Right Bank Low Level Canal is practically completed. The area to be brought under irrigation is 92,345 acres. The Irrigation works has been completed in all respects.

(iii) *High Level Canal.*—Construction of distributaries, water courses and field channels to irrigate an area of 2 lakh acres were taken up for execution.

(*b*) *Rajolibunda Diversion Scheme.*—The main work of Rajolibunda has been completed in all respects.

(*c*) *Kanakanala Project.*—The work on the Project and irrigation channel was in progress.

(*d*) *Hagaribommanahalli project.*—The work on the main Dam and the channel were in various stages of progress.

The total expenditure incurred during the year on Tungabhadra Project was Rs. 199.53 lakhs as against the grant of Rs. 180.90 lakhs.

Bhadra Reservoir Project.—Dam is practically completed.

B. R. L. B. Canal (0 to 48 miles): The main Canal and distributaries has been completed in all respects.

(iii) B. R. R. B. Canal (0 to 35/62): The Excavation of main canal and distributaries have been completed in all respects.

(iv) Anvery Branch Channel (0 to 41½ miles): Earth work excavation of main canal and distributaries and masonary works have been completed.

(v) Malebennur Channel (0 to 30½ miles): Earth work excavation for the entire lengh has been completed. Distributaries were nearing completion.

(vi) Davanagere Branch Channel (0 to 56 miles): The Earth work excavation was practically completed. The major cross drainages works such as Shanti Sagar main Valley Aqueduct, Shantisagar Waste-weir Valley acqueduct were completed. Works on Harihar Branch Channel, Harapanahally distributary and all other distributaries except 9-A and 9-C zones were in good progress.

(vii) Davarabilikere Pick-up Reservoir: Modified estimates as per suggestion of Technical Sub-Committee of Major Irrigation Projects Control Board were under finalisation.

Water has been allowed in B. R. L. B. Canal and B. R. R. B. Canal and Anvery Branch Channels. The Irrigation potential created during the year was 32,370 acres.

Jambadahalla Project.—This is a medium irrigation project envisaging construction of a dam across Jambadahalla, a perennial jungle stream near Duglapur in Tarikere Taluk of Chickmagalur District to benefit 60,000 acres.

The work of spillway has almost been completed and the work of embankment was under progress.

The total expenditure incurred during the year on Bhadra Canal was Rs. 173. 85 Lakhs as against the grant of Rs. 171. 95 lakhs.

Ghataprabha Project.—(*a*) *Ghataprabha Project I Stage.*—(i) G.L.B C. from 0 to 44 miles (I stage).—The work on the main canal and two branches including the distributary system to serve the entire irrigation command of 1·2 lakh acres has been practically completed. Work on Assangi Minor, Rampur Distributary, Malarkhandi outlet and Chineholi extension were completed.

(ii) *G L.B.C.-II Stage* —The raising of bank works of the main canal and 18 Major distributaries were in progress and 90 per cent of them have been practically completed. Masonry lining in C. D works (gaps) of Bilgi Branch in 5th and 7th Mile and distribution work on four distributaries have been completed. Work under twenty five distributaries were in progress.

(*b*) *Ghataprabha Valley Development Scheme II Stage.—Hidkal Dam Project.*—The foundation excavation of the dam both in river bed and in the flanks were in full progress.

(*c*) *Nagathana Tank Project.*—All the works were completed except the protective works to the wasteweir tail channel. An irrigation potential of 1,422 acres has been created. The area irrigated during the year was 8 acres of Khariff, 167 acres of Rabi and 32 acres of hot weather.

The total expenditure incurred during the year in Ghataprabha project Circle under all heads was Rs. 89·71 lakhs as against grant of Rs. 102. 01 lakhs.

Malaprabha Project:—(i) *Main dam.*—Work of excavation was started depart mentally and later on by the Contractor and was in progress.

(ii) *Tunnel through Yellamma Hills.*—Tunnel alignment has been finalised and tender approved during April, 1965.

(iii) *Rehabilitation.*—About 800 households in 37 villages with a total population of 37, 637 persons and 28, 600 acres of agricultural land in 61 villages will come under submergence. All acquisition proposals have been prepared and were in various stages of disposal. Layout plans for 14 villages have been completed. The valuation of houses in submerged villages was in progress.

(iv) *Malaprabha Right Bank Channel.*—The plans and estimates for Naragund, Branch Channel were prepared. Distributary survey work covering an area of nearly 30,000 acres has been completed. The construction of buildings at Nargund Hirekumbi, Byahatti and Inamhongal have been completed in all respects.

The total expenditure incurred during the year in Malaprabha Project Circle is Rs.30. 26 lakhs as against the grant of Rs.31. 20 lakhs.

Ambligola Project.—The Ambligolaproject Sub-Division was continued during the year upto end of September 1964 for completion of balance works of the project. After closure of the Special Sub-Division, Shikaripur with effect from 1st October 1964 under Sagar Division. Almost all the works have been completed except a few works on wasteweir and Channel.

The total expenditure incurred during the year on this project was Rs. 4.71 lakhs as against the grant of Rs. 4.72 lakhs.

Mangala Project.—The bund work on left bank was in progress. The contour channel including C. D. works beyond 5th Mile was in progress and nearing completion except for small reaches.

The total expenditure incurred during the year on this project was Rs. 4.45 lakhs as against the grant of Rs. 5.00 lakhs.

(*a*) *Ramanahalli Project.*—This work is practically completed in all respects and ready to irrigate 4,800 acres. The cultivators are not coming forward to cultivate the lands and get benefit.

The total area irrigated during the year was 1,278 acres and 20 guntas.

(*b*) *Areshankar Tank.*—The work has been completed in all respects and ready to irrigate 3,069 acres. The cultivators are not coming forward to get the benefit.

The area irrigated during the year was 201.05 acres.

(c) *Kalaskope tank.*—The work has been completed and only maintenance work has carried out during the year. The total irrigable area is 20.3 acres.

Area irrigated during the year was 201.05 acres.

(d) *Kolchi weir*—The work has been completed and irrigation to the extent of 3,225 acres is feasible of which 994.10 acres has been actually irrigated during 1961-65.

The total expenditure incurred during the year, on the above works was Rs. 0.54 lakh as against the grant of Rs. 0.60 lakh. Generally, the irrigation development on the above works is poor. All efforts were made to encourage ryots to utilise the waters.

(a) *Nugu Reservoir Project*—The dam work has been completed and balance works comprising of portions of Nugu High level Canal, Irrigation tract roads and other village shifting works etc., were under progress.

(b) *Kabini Reservoir Project.*—The excavation for foundation has gone up to (—) 93 feet below the average river bed level. Rubble masonry was in progress and has come up to 10 feet above the average bed level of the river in certain sections. Work on the left earthen flank was in progress.

(c) *Hebbahalla Project.*—The embankment work was completed. Out of 18 miles of Hebbahalla Channel, 12 miles have been completed and the balance work was in full swing.

(d) *Chickhole Project.*—The right and left flanks and the spillway works have almost been completed. Nearly 90 per cent of the Project work is completed.

Upper Krishna Project.—Foundation stones of both the dams at Almatti and Narayanapur were laid by Shri Lal Bahadur Sastry, Union Minister on 22nd May 1964.

The total expenditure incurred during the year was Rs. 65.27 lakhs as against the grant of Rs. 61.30 lakhs.

Investigation Circle, Mysore,—Harangi Reservoir Project.—The foundation exploration work and trial pit excavation of the dam were under progress. Formation of approach roads to Dam site was undertaken during the year.

Lakshmanathirtha Project.—The project report, Plans, etc., were recast and were under finalisation.

Suvarnavathy Project.—Final designs for increasing the atchkat were examined and construction of camp buildings was taken up.

Arkavathy Project.—The project was re-investigated for increasing the scope. The project report, Plans and Estimates were prepared and were under finalisation.

Hemavathy Project.—An estimate of Rs 26.85 lakhs for the preliminary works has been administratively sanctioned. The preliminary works such as colony buildings and approach roads, etc, were taken up. Dam foundation on the right flank for a small distance was also tackled. Detailed designs were worked out during the year.

Bijjur Reservoir Project.—The foundration for earth bund has been cleared. The construction of colony buildings was under progress.

Sixteen projects were taken up for investigation and were under progress.

The total expenditure incurred during the year in this Circle was 10.42 lakhs against the grant of 10.43 lakhs.

Irrigation Investigation Circle, Dharwar.

Dharma Reservoir Project.—Dam works were completed in all respects and water was stored in the reservoir for the firt time during the year.

The diversion road work on Kumta Hubli road was completed in all respects and was handed over to regular PWD Division, Sirsi for maintenance.

Harinala Project—The section of the dam was charged from Zonal to Homogeneous looking to the availability of materials. Proposals for acquisition of lands required for this Project were finalised.

Forty-two projects were also investigated and were under progress.

The total expenditure incurred during the year was Rs. 25.37 lakhs as against the grant of Rs. 26 62 lakhs.

Irrigation Investigation Circle, Yermarus.—Twenty-four medium and Major Irrigation Projects were under investigation under this Circle during the year.

The total expenditure incurred during the year in this Circle was Rs. 7.21 lakhs as against the grant of Rs 9 04 lakhs.

Mysore Engineering Research Station, K. R Sagar—The research Station had four Divisions with 23 branches working on various problems of Hydraulics, soil mechanic. Chemical and Material testing which constitute the major branches, 172 problems were studied as against 224 problems during the previous year.

In addition to the above, the following studies sponsored and financed by the Government of India under basic and fundamental research which were in progress during 1963–64 were continued.

(a) Canal lining studies.

(b) Standardisation of the use of surki and other puzzolanic materials and mortar on concrete.

(c) Silt and sedimentation surveys of Thungabhadra Reservoir.

(d) Proto type experiments on Syphons.

The research scheme on murum Iso–Bath and water use entirely sponsored by the Government of India through the Ministry of Food and Agriculture was also continued during the year.

One hundred and fifty equipments were procured at a cost of Rs. 2,63,205 so that the research work is carried out according to latest standards.

During the year under review the Irrigation potential created was 1 51 776 acres against which an area of 65475 acres was actually developed resulting in an approximate additional food production of 13,100 tonnes equivalent to the value of Rs 80 lakhs.

(4) Hydro Electric Construction Projects :—

This department has under its administrative control the construction of several hydro electric projects in the state under III Five Year Plan including the investigation of the future Hydro Electric Projects in the State.

Sharavathy Valley Hydro Electric Project, I Stage :—The highlight of achievement during the year under review was the formal commissioning of the first generating unit of 89,100 KW. by the Prime Minister of India on 24th January 1965 and the unit is already supplying power to Bangalore. The erection of the II Generating unit of 89,100 KW was complete and it was undergoing trial runs for commissioning. This unit was however commissioned during the first quarter of 1965–66. Erection of the II Penstock pipe of length of about 4550' was completed in all respects and the pipe was filled up.

Works on the Sharavathi Receiving Station at Shimoga was continued and was nearing completion. Assembly and erection of the 100 MVA Transformer was completed. Erection of the circuit breakers, potential transformers and disconnecting switches was completed. The construction of the Sharavathi Receiving Station at Bangalore was completed and the Station was already receiving power.

Expenditure on this project during the year under review was Rs. 1,47,51,147.00. The total expenditure from the commencement to the end of the year was Rs. 11, 92, 55, 120.00 against the sanctioned estimate of Rs. 1203 lakhs.

220 KV. Transmission Line–I Stage:—Erection of the 227 mile long 220 KV. Transmission Line from Sharavathi to Shimoga and on to Bangalore was completed during the year under review and the line charged.

The outlay incurred on the 220 KV Transmission line during the year was Rs. 82, 37 010. The total outlay from the commencement to the end of the year was Rs. 2, 86, 76, 502, against the sanctioned estimate of Rs. 505.38 lakhs.

Bhadra Reservoir Hydro Electric Project:—The work on the Bhadra Hydro Electric Project has been completed during the year 1963-64 itself and maintenance of the station is being carried out by this Department.

The outlay incurred during the year under review was Rs. 24,00, 594. The total outlay from the commencement to the end of the year under review was Rs. 2, 71, 59, 063 against the sanctioned estimate for Rs. 380 lakhs.

Tungabhadra Reservoir Hydro Electric Project (Left Bank–Munirabad — Construction of the power house building was completed. The I and II Generating units of 9,000 KW. each having been already commissioned. Erection of the III Generating unit of 9 000 KW. unit is almost complete. This unit is expected to be commissioned shortly.

Erection of the 190 mile long, 110 Kv. Transmission Line from Munirabad to Shahabad was completed and the line charged. Erection of 84 miles and 33 Kv and 215 miles of 11 Kv lines were completed out of total of 87 miles of 33 Kv, and 210 miles of 11 Kv distribution lines. The outlay incurred during the year was Rs. 19,28,955 and the total outlay from the commencement to the end of the year was Rs. 4,27,65,501 against the modified sanctioned estimate of Rs. 601.20 lakhs.

Sharavathi Valley Project-II-Stage.—The Generating station Building for installing the additional six generating units under second stage is being continued and the roofing has been cast for all the six units. The Surge tank No. II is practically complete except for the erection of steel lining and concreting behind steel lining, which were in progress. Construction of anchor blocks and saddle supports for all the six units was under rapid progress.

Outlay during the year was Rs. 2,54,62, 586. The total outlay from the commencement of the end of the year of Rs. 4 08.50 155, against a sanctioned estimated cost of Rs. 1,636·00 lakhs for the Hydraulic Electrical and Civil Works under Hydro Electric Construction Projects.

220 KV Transmission Line II Stage:—Surveying of the 220 KV Transmission line route from Sharavathi to Hubli was taken up and this work is being continued. Stub setting work has also been taken up along the route and about 45 stubs have been erected to date.

Outlay incurred during the year was Rs. 13,34,123. The total outlay from the commencement to end of the year was Rs. 13,34,781 against a sanctioned estimate of Rs. 340.00 lakhs.

Investigation of Hydro Electric Projects:—Investigation of Hydro Electric Projects, namely Tail race Development of Sharavathi, Kalinadi, Bedthi, Varahi and Cauvery Valley Schemes were continued. The investigation work on the Kalinadi Scheme for the alternative with one major underground power House near Khadra is in progress.

Detailed investigation of Bedthi, Varahi and Cauvery Schemes are being carried out. The reservoir surveys and other survey works needed for penstock, Generating station etc, for Bedthi and Varahi Schemes, are practically complete. The Survey of India has also practically completed the reserv ir surveys of Cauvery Scheme in the Cauvery Valley between Shivanasamudram and Mekedatu.

The outlay incurred during the year on the investigation projects was Rs. 20,82 756. The total outlay from the Commencement to the end of the year was Rs. 46,14,795.

Hydro Electric Construction Project Board:—The electrical Engineering Sub committee met 3 times, Civil Sub-Committee two times, the combined Electrical and Civil Engineering Sub-Committee met 4 times and the Hydro Electric construction Project Board met 5 times during the year.

(5) Hydro-Electric Projects (Investigation)

Sharavathy Valley Project (Civil Works).—Shri L. T. Aminbhavi, B. E., Special Chief Engineer, continued to be incharge during the year and the post was abolished on 31st March 1965.

The final grant sanctioned for the Civil Engineering works in the Jurisdiction of the Special Chief Engineer, S. V. Project was Rs. 267.00 lakhs against which the final outlay including March, 1965 supplemental accounts, in respect of I Stage Civil Engineering Works booked is Rs. 264.06 lakhs.

In respect of the II Stage Civil Engineering Works, the final grant sanctioned was Rs 63.26 lakhs against which the final outlay was Rs. 53.55 lakhs including March, 1965 supplemental accounts under the jurisdiction of the Special Chief Engineer, Sharavathi Valley Project.

The work of construction of the Tourist Hotel Building at Jog has been completed in all respects. The outlay incurred in respect of the above building is Rs. 3,75,921.

Acquisition of lands and property required for the formation of several new colonies was under progress. Out of 42 colonies proposed, 16 were completed and others were in good progress.

Talakalale:—The Road way and parapet works of Talakalale Dam was completed during the year under report. Erection of Radial gates was also completed and maintained satisfactorily.

Committee Meetings:—The Hydro Electric Construction Project Board met 5 times during the year and reviewed the progress on works.

6. Rehabilitation and Irrigation Development in Tunga Bhadra and Sharavathy Valley Projects.

Acquisition:—1333-08½ acres of land and 826 structures were acquired during the year.

An amount of Rs. 18, 58, 222-34 for land and Rs. 3,67 134-26 for structures was paid as compensation and *ex gratia* during 1964-65. Total amount of 34, 45, 507-77 for lands and Rs. 6,58, 431-00 for structures, as compensation and *Ex-gratia* upto the end of the year 1964-65 has been paid leaving balance of A. 4578-24 G. of land and 769 structures to be acquired next year.

Rehabilitation.—310 families were granted 1323 Acres 27 guntas of land and rehabilitated during the year under report. A total number of 2992 families were granted 1111 7 Acres 6 guntas of land and rehabilitated from the commencement of the project leaving a balance of 834 families to be rehabilitated by the grant of lands at the end of March 1965. The number of land acquisition cases as on 1st April 19 4, referred to civil Courts was 166; number of cases referred during the year was 300. Thus out of a total of 466 cases, 170 cases filed before the District Judges court were disposed by the District Judge, and an amount of Rs. 36,84,2.0-42 was paid as enhanced compensation during the year 1964-65.

Tunga and Bhadra Reservoir Projects Acquisition.—889 acres and 28 guntas of land was acquired during the year and Rs. 5,7 ,777-67 was paid as compensation. Total land acquired was 10.03 acres and 10 guntas and Rs. (0 07,026-98 was paid as compensation upto end of March 1965 leaving balance of 4,881 acres 17 guntas of land for acquisition during the next year. 27 structures under submersion of Narasimharajapura area were acquired and Rs 29,367-24 was paid as compensation, *Ex gratia.* The total structures acquired upto end of March 1965 were 809 and the amount of compensation/*Ex gratia* paid was Rs. 8,89,003-31 leaving a balance of 6 structures in submersion area of Narasimharajapura at the end of March 1965.

Compensation/*Ex gratia* in respect of 850 structures has been paid during the year, out of 1028 structures, the records in respect of 178 structures were in preliminary stage, 1103 sites were formed in 16 villages with all the amenities, like, school, Temple and Community Hall etc., in the jurisdiction of Special Land Acquisition Officer's Office, Tunga and Bhadra Projects, Shimoga.

One hundred and forty two structures were acquired and compensation/*Ex-gratia* of Rs. 91,961-23 was paid during the year leaving 143 structures to be acquired in three villages at the end of March 1965.

Land Acquisition Cases Referred to Civil Court. Section 18 and 30 of Land Acquisition Act.

There were 903 cases before the Civil Courts at the end of the year 1963-64 (March 1964). Five hundred eightynine cases were referred during the year 1964-65 by the three Land Acquisition Offices, thus the total cases for disposal for the year 1964-65 was 1192. Out of which 528 cases were disposed of during the year 1964-65 by the Civil Courts and enhanced compensation to the extent of Rs. 6,85, 109-01 was paid during 1964-65 leaving balance of 964 cases to be disposed of by various Civil Courts at the end of March 1965 (1964-65).

7. *Government Flying Training School, Bangalore* —The School was under the charge of Sri R. Mahadevan, Principal *cum*-Chief Aircraft maintenance Engineer during the year.

The Institution is mainly engaged in imparting Flying Training upto the Private Pilot's License standard to all Indian nationals particularly to residents of the State. The Flying Training School also conducts Joy Rides for creating Airmindedness among the people of the State in different places where landing grounds and other facilities are available.

The total income of the Institution for the year was as detailed below :—

	1964-65	1963-64.
1. Total financial assistance from Government of India.	Rs. 93,750-44	1,37,428-76
2. Government of Mysore Subvention for N.C.C. Trainees.	4,593-74	3,876-67

3.	Income for training Mysore Government Scholars.	730-74	5,118-74
4.	Flying fees.	7,333-74	7,762-08
5.	Membership fees	Rs. 2,750-00	3,160-00
6	Joy Flights and Commercial Flights	312-00	5,400-84
7.	Servicing of Non Club (Government of India Aircraft)	....	8,200-00
8.	Landing Charges	169-00	....
9.	Miscellaneous receipts	650-10	236-23
	Total Rs.	1,15,493-86	1,81,183-37

N.C.C. Cadets.—The training of the Cadets of the N.C.C. Air Wing was commenced in the month of April, 1964. Six trainees who were admitted during the previous year 1963-64 commenced their training during the year. Of these six, four cadets discontinued, one cadet was disqualified and the other candidate completed his training.

Thirteen Fresh cadets belonging to the N.C.C. Air Wing were admitted during the year. As these cadets commenced their flying during the second half of the year 1964-65, their training could not be completed before the close of the year. Hence their training was continued.

In addition to the admission of these 13 candidates during the year, two more cadets who had completed their normal training were authorised further advance training of 25 hours each by the N.C.C. Air Squadron. However, the training of these candidates was subsequently discontinued during the year as desired by the N.C.C. Air Squadrons.

The hours done by N.C.C. Cadets during the year are shown below.—

Year	Dual	Solo	Total
	Hrs. Mts.	Hrs. Mts.	Hrs. Mts.
1964-65	165-10	18-35	183-45
1963-64	133-50	19-50	153-40

Government of India Scholars.

Candidates under the Scheme for the creation of a Potential for Recruitment to the Indian Air Force.—

With a view to provide the Indian Air Force with promising materials for recruitment in the shortest possible time in view of the National Emergency, Government of India formulated a scheme of imparting Flying training to the youths of the country who are matriculates and of the age group of 17 to 20 years at the various Flying Clubs in India. This Scheme which was started during the year 1962-63 was Continued during this year also. A candidate selected, after flying training of up to 50 hours free cost, is required to execute an agreement to serve The Indian Air Force.

During the year, Government of India allotted ten such scholarships per quarter to this Institution for 50 hours of free Flying, the entire cost of flying at Rs. 70.00 P.

The training of six candidates already selected during the previous year (1963-64) was continued during the current year. During the course of their training, two candidates were directly selected by the Indian Air Force for G.D. Pilots course and therefore, their training was terminated under this Scheme. Two candidates completed their training and their names were intimated to the Director

General of Civil Aviation. The remaining two candidates could not fly Solo within 20 hours of dual instruction and therefore were disqualified.

Against the quota of scholarships allotted for the current year, only ten candidates were selected during November, 1964. Of these ten, one candidate did not accept the scholarship and the remaining nine candidates were admitted during November/December, 1964. One trainee was selected by the I A F. for G. D. Pilots course during his training and hence his training under the Scheme was terminated. The training of the remaining eight candidates could not be completed by March 1965 on account of the shortage of Flight Instructors in the Institution and therefore was continued during the next year.

The flying hours done by these scholars during the year are shown below:—

	Dual	Solo	Total
	Hrs. Mts.	Hrs. Mts.	Hrs. Mts.
1964-65	182-30	20-10	202-40
1963-64	262-20	25-20	287-40

Mysore Government Scholars.—On account of the shortage of Flight Instructors, fresh candidates under the Mysore Government free Flying Scholarship Scheme could not be selected. However, the training of seven candidates admitted during the previous year was continued during the year. One candidate completed the training, two discontinued and the training of the remaining four candidates was continued during the next year. The instructional hours imparted to these trainees during the year are shown below:—

	Dual	Solo	Total
	Hrs. Mts.	Hrs. Mts.	Hrs. Mts.
1964-65	54-20	18-30	72-50
1963-64	437-15	67-15	505-00

Training on payment basis.—(*a*) Ab-initio *Trainees.*—There were six candidates on the rolls at the beginning of the year. Out of these six candidates, three trainees discontinued their flying during the year. As the training of the other three candidates was not completed during the year, their training was continued in the next year also. Three fresh candidates were admitted during the year. Out of these two discontinued and the training of the other candidate which could not be completed during the year was continued in the next year also.

There were no accidents to the School Aircraft during the year.

The Advisory Board met once during the year.

(7) *The Mysore Ports Department.*—Capt. M. L. Advani continued to be the State Port Officer, Mysore State, with his Headquarters at Mangalore.

Administrative Control of the Ports Engineering Division with its Sub-Divisions has been transferred to the Public Works Department with the exception of one Sub-Division which has been retained under the administrative and technical control of the State Port Officer.

Development of Ports.—During the year under report, an expenditure of Rs. 32,65 lakhs was registered on various Development Schemes, against the budget grant of Rs. 36.30 lakhs.

The Agency for the execution of the work of providing facilities for handling iron/manganese ores at Coondapur Port estimated to cost Rs. 11.06 lakhs has been fixed and the work is expected to be taken up shortly.

The Development Schemes of Bhatkal Project estimated to cost Rs. 11.20 lakhs and construction of a transit shed at Karwar estimated to cost Rs. 2.00 lakhs have been put to tender and are expected to be taken up during 1965-66.

The Mysore Landing and Shipping Fees Acts, 1961 and the Rules framed thereunder have come into effect from 15th July 1964 in respect of all the Ports in Mysore State except Mangalore.

A Port Advisory Board has been constituted by the Government of Mysore under Rule 22 of the Mysore Landing and Shipping Fees Rules, 1964.

Trade.—(i) 45 672.768 M. T. of cargo valued at Rs. 1,35,92,471-70 was imported during the year as against 59,514,954 M. T. of cargo valued at Rs. 1,64, 0,079 00 imported during the previous years The decrease is due to decrease in import of general cargo.

7,67,690.156 M. T. of cargo valued at Rs. 4,44,46,781-25 was exported during the year as against 7,20,947.963 M. T. of cargo valued at Rs. 3 79,43,478-00 exported during the previous year.

Increase in export of cargo is mainly due to the increase in export of Iron and Manganese Ores from the Port of Belekeri.

(ii) 5,87,6 5.340 M. T. of Iron Ore was exported to foreign countries through the Ports of Karwar, Belekeri, Honavar, Coordapur and Malpe and 49.594.034 M. T of Manganese Ore was exported through Ports of Coondapur, Belekeri and Karwar, as against 5 81 997.028 M T of Iron Ore and 25.834 M. T. of Manganese Ore exported through the same ports during the previous year.

A sum of Rs. 6,74 970.68 was collected as Landing, Shipping and Storage Fees on imports and exports of cargo during the year as against Rs. 6,33,208.77 collected during the previous year.

By Order and in the name of the Governor of Mysore,

MOHAMMED AHSAN,
Under Secretary to Government,
Public Works Department. (S)

CHIEF SECRETARIAT

Issues revised Rules and Tariff for the occupation of Guest Houses at Bangalore Mysore and Ooty.

REFERENCE—

1. Government Order No. GAD 36 HMS 67, dated 15th March 1968.

ORDER No. GAD 56 HMS 68, DATED BANGALORE, THE 22ND FEBRUARY 1969.

In supersession of all the orders issued so far relating to the occupation of Guest Houses the following revised Rules and Tariff for the occupation of Guest Houses in the State are issued. This will come into force with effect from 1st March 1969. (**vide* ANNEXURE).

By Order and in the name of the Governor of Mysore,

J. P. MOSES,
State Protocol Officer.